

Work Order ID 54265

December 07, 2009 11:16:36 AM



Page 1

Item ID: D4019-9

Accept



Setup Start



Revision ID:

Item Name: Mounting Bracket

Stop



Start Date: 12/7/2009 Start Qty: 2.00



Cust Item ID:

Required Date: 12/11/2009 Req'd Qty: 2.00



Customer:

PRELIMINARY ISSUE

Reference:

Run Start



Approvals: Process Plan: WPK

Date: 09-12-07

Tooling:

Date:

QC:

Date:

SPC (Y/N):

Date:

Stop



Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Draw Number	Draw Rev.	Plan Code	Accept Qty.	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	----------------	--------------	--------------	----------------	---------------	------------------	----------------

Draw Nbr	Revision Nbr
D4019	A-PRELIM

100

0.00



FLOW WATER JET

Waterjet

Memo

0.00

FLOW CNC Waterjet

1-Cut as per Dwg D4019

Dwg Rev: PRF

Prog Rev: Lim

2-Deburr if necessary

EP 09/12/07 (4)

B 9-12-7
MATERIAL CERTIFICATION
REQ'D UPON DELIVERY
09/12/07

(16)

110

0.00



QC2- Inspect parts off machine FAI/FAIB

QC

Memo

0.00

Quality Control

SRP

B 9-12-7

120

0.00



QC8- Inspect parts - second check

QC

Memo

0.00

Quality Control

=> 09/12/07

(28)

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

⚠: Date & initial all entries

Work Order ID 54265

December 07, 2009 11:16:36 AM



Page 2

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Item Name: Mounting Bracket

Start Date: 12/7/2009 Start Qty: 2.00



Cust Item ID:

Required Date: 12/11/2009 Req'd Qty: 2.00



Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start



QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop



Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Draw Number	Draw Rev.	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130		0.00							
	NC BRAKE								
Brake NC	Memo	0.00							
Brake NC	Form as per Dwg D2581 using CNC Brake								
140		0.00							
	QC5- Inspect part completeness to step on W/O								
QC	Memo	0.00							
Quality Control									
150		0.00							
	Identify as per dwg & Stock Location: _____								
Packaging	Memo	0.00							
Packaging									

00308A DEC

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Work Order ID 54265

December 07, 2009 11:16:36 AM



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Item ID: D4019-9

Accept



Setup Start



Revision ID:

Stop



Item Name: Mounting Bracket

Start Date: 12/7/2009 Start Qty: 2.00



Cust Item ID:

Required Date: 12/11/2009 Req'd Qty: 2.00



Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start



QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop

Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run HoursDraw
NumberDraw
Rev.Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

160

QC21- Final Inspection - Work Order Release

0.00



QC

Memo

0.00

Quality Control

POSITIVE RECALLEFFECTIVE 9.12.07 AUTH u

RELEASED _____ DATE _____

u 9.12.11

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

December 07, 2009 11:16:36 AM

Page 1

Work Order ID: 54265

Parent Item: D4019-9

Parent Item Name: Mounting Bracket


Comments: IPP RevA: new issue DD 09.12.07 verified by:EC

Start Date: 12/7/2009

Required Date: 12/11/2009

Start Qty: 2.00

Required Qty: 2.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
M6061T6S.125  6061-T6 .125 Sheet		Purchased	No			100	sf	79.9823	0.0394	1.5		

B9-12-7

<u>Warehouse</u>	<u>Loc Qty</u>	<u>Loc Code</u>
<u>Location</u>		
Main Warehouse		
MAT	79.9823	
110062	1.85	
111642	19.592	
112476	32	
112567	26.5403	

16

112867

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

DART AEROSPACE LTD		Work Order: 53964
Description: Doublet		Part Number: D3895-1
Inspection Dwg: D3895-1 Rev: A		Page 1 of 1

FIRST ARTICLE INSPECTION CHECKLIST

☒ First Article ☐ Prototype

Drawing Dimension	Tolerance	Actual Dimension	Accept	Reject	Method of Inspection	Comments
Ø .098	±.004 - .001	.101	X			
.98	±.030	.979	X			
.74	±.030	.744	X			
.75	±.030	.754	X			
.75	±.030	.752	X			
.30	±.030	.302	X			
.30	±.030	.302	X			
.85	±.030	.855	X			
.75	±.030	.753	X			
2.48	±.030	2.486	X			
3.39	±.030	3.394	X			
4.78	±.030	4.784	X			
.050	±.010	.053	X			

Measured by: IB	Audited by:	Prototype Approval: N/A		
Date: 9-12-9	Date:	Date: N/A		
Rev	Date	Change	Revised by	Approved
A		New Issue	KJ/JLM	

Receiving Report

Date: 9/9/02

Batch No: M112062

Supplier: MAGNA

Dart P/O: 10312

Packing Slip: Yes ☒ No ☐
 Invoice: Yes ☐ No ☒
 Receipt: Cash ☐ Cr ☒

Release Note Attached: Yes ☒ No ☐ N/A ☐
 Waybill Attached: Yes ☐ No ☒
 Shipment Complete: Yes ☒ No ☒ N/A ☐
 QC6 Inspection ☒ 8/10/02 N/A ☐
 Work Order 09109102 N/A ☒

Discrepancies

Part Number	Description	Quantity Ordered	Quantity Received	Quantity Returned	Quantity Short	Comments
M6061	TGB-200x0400	40	0	0	40	
M6061T	630181x0400	40	0	0	5100	
M6061T	TGB1-200x0400	40	0	0	40	

M6061T 6R0-620

Initials of receiver (if shipment OK)

Level 12

Production/Admin:

Date

09/09/02

Received/Costing

RCR 10312

Initial

CV

Location

M 3045126A

64 0 0 69



Magna Stainless

5775 Kieran St, Saint-Laurent QC H4S 0A3
Phone: (514) 339-1211 Watts: 1-800-363-6646 Fax: (514) 339-1105

INVOICE

Pg 1 of 2 I016123

SOLD TO:

DART AEROSPACE LTD
1270 ABERDEEN STREET
HAWKESBURY , ON
K6A 1K7

SHIP TO:

DART AEROSPACE LTD
1270 ABERDEEN STREET
HAWKESBURY , ON
K6A 1K7

MTR:Y

INVOICE DATE:	09/02/09
ORDER DATE:	09/01/09
SHIP DATE:	09/02/09
ORDER NUMBER:	W017754
PURCHASE ORDER:	P010312

Currency	Sales Person	Ship Via	F.O.B.	Terms
CANADIAN DOLLARS	ERYCK BLAIS	NIR:R-557065-1	PREPAID	NET 30 DAYS

Ln	Back Ordered	Ordered	Unit	Description	Shipped	Price Per	Value
				ALUMINUM FLATS			
		3	PC	AFL 6061 T6 3/4" x 6" x R/L L030012 20' 3 PC/318 LB	3 UN	215.00	645.00
		2	PC	AFL 6061 T6 3/4" x 1" x R/L L026715 20' 2 PC/35 LB	2 UN	36.00	72.00
		3	PC	AFL 6061 T6 1" x 2" x R/L L026407 20' 3 PC/142 LB	3 UN	95.00	285.00
		2	PC	AFL 6061 T6 1/2" x 6" x R/L L027689 20' 2 PC/142 LB	2 UN	145.00	290.00
				ALUMINUM ROUND BAR			
		2	PC	ARB 6061 T6 3/8" x R/L L026602 20' 2 PC/5 LB	2 UN	6.00	12.00
				ALUMINUM SHEET			
		4	PC	ASH 6061 T6 .050" x 48" x 96" L029081 4 PC/92 LB	4 UN	92.00	368.00
		2	PC	ASH 6061 T6 .125" x 48" x 96" L030531 2 PC/115 LB	2 UN	202.00	404.00
				ALUMINUM SQUARE BAR			
		2	PC	ASQ 6061 T6 3/4" x R/L L020464 20' 2 PC/26 LB	2 UN	27.00	54.00
				STAINLESS ROUNDS			
		5	PC	SRB 303 1/2" x R/L L029043 12'1" 5 PC/40 LB	5 UN	18.00	90.00
		7	PC	SRB 303 3/4" x R/L L029510 12'7" 7 PC/134 LB	7 UN	22.00	154.00
				STAINLESS SHEET			

RECEIVED SEP 09 2009

Title to the goods sent out on this invoice remains with Magna Stainless Div of CSM ULC until such time as this invoice has been paid in full. Unless otherwise noted terms are 30 days. Interest accrues on all overdue accounts at the rate of 1.5% per month compounded monthly.

Q.S.T. # 1213236471
G.S.T. # 881565899 RT0001

Purchase Order Receipt Listing

Page 1 of 2

September 2, 2009 11:34:03 AM

All amounts are calculated in domestic currency.

All Vendors PO ID PO10312 All Receipt Dates All Line Item Types
All Item ID/GL/WOs All Rec. Employees All Currencies
Grouped by Vendor ID

Purchase Order ID/ Curr Type	Line Nbr/ Insp Req	Project ID	Reference/ Description/ Cert Std	PO U/M / Stock U/M	Required Date Required Qty	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
Vendor ID \ Vendor Name		VC-MAG002 Magna Stainless									
PO10312	1		M6061T6B0.750X06. f 000		9/04/09	9/02/09	60.0000	\$10.75	0.0000	0	\$645.00 ✓
CAD	No		6061T6 BAR .750 X f 6.00 112567		60.0000	LAVO01		\$645.00	0.0000	0	
	2		M6061T6B0.750X01. f 000		9/04/09	9/02/09	40.0000	\$3.00	0.0000	0	CL \$120.00
	No		6061-T6 Bar .750 x f 1.00 112567		24.0000	LAVO01		\$120.00	0.0000	0	
	4		M6061T6B0.750X00. f 750		9/04/09	9/02/09	40.0000	\$1.35	0.0000	0	\$54.00 ✓
	No		6061-T6 Bar .750 x f .750 112567		40.0000	LAVO01		\$54.00	0.0000	0	
	5		M6061T6B1.000X02. f 000		9/04/09	9/02/09	60.0000	\$4.75	0.0000	0	\$285.00 ✓
	No		6061-T6 Bar 1.00 x f 2.00 112567		60.0000	LAVO01		\$285.00	0.0000	0	
	6		M6061T6B0.500X06. f 000		9/04/09	9/02/09	40.0000	\$7.25	0.0000	0	\$290.00 ✓
	No		6061-T6 Bar .500 x f 6.00 112567		40.0000	LAVO01		\$290.00	0.0000	0	
	9		M6061T6R0.375 f		9/04/09	9/02/09	40.0000	\$0.50	0.0000	0	\$20.00 CL
	No		6061-T6 Round Bar f .375" 112567		24.0000	LAVO01		\$20.00	0.0000	0	
	10		M6061T6S.050 sf		9/04/09	9/02/09	128.0000	\$2.88	0.0000	0	\$368.00 ✓
	No		6061-T6 .050 Sheet sf 112567		128.0000	LAVO01		\$368.00	0.0000	0	



Magna Stainless

5775 Kieran St, Saint-Laurent, Quebec H4S 0A3
Phone: (514) 339-1211 Watts: 1-800-363-6646 Fax: (514) 339-1105

PACKING LIST

I016123

Page: 2 of 2

SOLD TO:
DART AEROSPACE LTD
1270 ABERDEEN STREET

HAWKESBURY, ON
K6A 1K7
Contact: CHANTAL

SHIP TO:
DART AEROSPACE LTD
1270 ABERDEEN STREET

HAWKESBURY, ON
K6A 1K7
Ship Terms: PREPAID

MTR:Y

SPECIAL INSTRUCTIONS

STOCK

Currency		Sales Person	Customer Phone	Customer Fax	Customer PO	
CANADIAN DOLLARS		ERYCK BLAIS	(613) 632-5200	(613) 632-1053	P010312	
Sales Order	Terms		Ship Via	Date Ordered	Date Required	Date Shipped
W017754	NET 30 DAYS		NIR:R-557065-1	09/01/09	09/02/09	09/02/09

Ordered	Back Ordered	Unit	Description	Bundle #	Heat #	Shipped
5	✓	PC	STAINLESS ROUNDS SRB 303 1/2" x R/L 12'1" 40 LB / 5 PC	L029043	422802	5
7	✓	PC	SRB 303 3/4" x R/L 12'7" 134 LB / 7 PC	L029510	17578	7
3	✓	PC	STAINLESS SHEET SSH 304 2B 16ga x 48" x 96" 252 LB / 3 PC	L030449	A2800233	3
6	✓	PC	SSH 304 2B 20ga x 48" x 96" 300 LB / 6 PC	L029414	SC18740	6
Bundles: 2		Skids: 1		Total Weight:		1,601 LB

Received by: _____ Date: _____ Signature: _____

DART
aerospaceDart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053**PURCHASE ORDER**

Purchase Order ID PO10312

Purchase Order Date 9/01/09

PO Print Date 9/01/09

Page Number 1 of 4

Order From :

VC-MAG002

MAGNA STAINLESS
5775 RUE KIERAN
ST LAURENT, QC H4S 0A3
CA**FAKED**

Contact Name

Vendor Phone 800 363 6646

Vendor Fax 514 339 1105

Vendor Account Nbr

Buyer

Chantal Lavoie

Requisition Nbr

Tax Resale Nbr 10127-2607

Terms Net 30

Currency CAD

FOB

Ship To :

DART AEROSPACE LTD 1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Line Nbr	Reference Revision ID Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	Req Qty/ Unit of Measure	Ship Method	Unit Price	Extended Price
1	M6061T6B0.750X06.000	6061T6 BAR .750 X 6.00	9/04/09 Yes	✓ 60.00 f	Yours ppd 12/9/12	\$10.7500	\$645.00
Special Inst:			MATERIAL: 6061-T6 OR 6061-T651/T6510/T6511/T62 BAR PER AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116 OR PER AMS-QQ-A-200/8 OR AMS 4160 NEW 40				
2	✓ M6061T6B0.750X01.000	6061-T6 Bar .750 x 1.00	9/04/09 Yes	24.00 f	Yours ppd 12/9/12	\$3.0000	\$72.00
Special Inst:			AS ABOVE				
3	M6061T6B0.187X04.000	6061-T6 Bar .178 x 4.00	9/04/09 Yes	40.00 f	Yours ppd	\$1.7500	\$70.00
Special Inst:			AS ABOVE				
4	✓ M6061T6B0.750X00.750	6061-T6 Bar .750 x .750	9/04/09 Yes	✓ 40.00 f	Yours ppd 12/9/12	\$1.3500	\$54.00

**MATERIAL CERTIFICATION
REQ'D UPON DELIVERY**

M112567

No substitution or deviation without
consent.
Certificate of Conformity or Material
Certification required when applicable

Change Nbr: 1

Change Date: 9/01/09



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO10312

Purchase Order Date 9/01/09

PO Print Date 9/01/09

Page Number 3 of 4

Order From :

VC-MAG002

MAGNA STAINLESS
5775 RUE KIERAN
ST LAURENT, QC H4S 0A3
CA

Contact Name

Vendor Phone 800 363 6646

Vendor Fax 514 339 1105

Vendor Account Nbr

Buyer

Chantal Lavoie

Requisition Nbr

10127-2607

Tax Resale Nbr

Net 30

Terms

Currency

CAD

FOB

10	✓ M6061T6S.050	6061-T6 .050 Sheet	9/04/09	✓ 128.00	Yours ppd	\$2.8750	\$368.00
			Yes	sf	<i>Pc 9/15/12</i>		

Special Inst:

MATERIAL: 6061-T6 OR 6061-T62
ALUMINUM SHEET PER AMS-QQ-A-
250/11 OR AMS 4025 OR AMS 4027

11	✓ M6061T6S.125	6061-T6 .125 Sheet	9/04/09	✓ 64.00	Yours ppd	\$6.3125	\$404.00
			Yes	sf	<i>Pc 9/15/12</i>		

Special Inst:

AS ABOVE

12	✓ M303R0.500	303 Round Bar 0.500"	9/04/09	60.00	Yours ppd	\$1.5000	\$90.00
			Yes	f	<i>60.00</i> <i>Pc 9/15/12</i>		

Special Inst:

MATERIAL: AISI 303 ROUND BAR
NOTE: 304/316 NOT ACCEPTABLE

13	✓ M303R0.750	303 Round Bar 0.750	9/04/09	84.00	Yours ppd	\$1.8333	\$154.00
			Yes	f	<i>88.9</i> <i>Pc 9/15/12</i>		

Special Inst:

AS ABOVE

15	M304S12GA	304/316 0.100" Sheet	9/08/09	64.00	Yours ppd	\$9.2188	\$590.00
			Yes	sf			

Special Inst:

MATERIAL: AISI 304/316 SS SHEET
ANNEALED 2B FINISH
SPEC'S: MIL-S-5059 OR AMS
5513/AMS5524/ASTM A240 OR ASME
SA240

MATERIAL CERTIFICATION
REQ'D UPON DELIVERY

No substitution or deviation without
consent.
Certificate of Conformity or Material
Certification required when applicable

Change Nbr: 1

Change Date: 9/01/09

M112567



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO10312**

Purchase Order Date 9/01/09

PO Print Date 9/01/09

Page Number 4 of 4

Order From :

VC-MAG002

MAGNA STAINLESS
5775 RUE KIERAN
ST LAURENT, QC H4S 0A3
CA

Contact Name

Vendor Phone 800 363 6646

Vendor Fax 514 339 1105

Vendor Account Nbr

Buyer

Chantal Lavoie

Requisition Nbr

Tax Resale Nbr

10127-2607

Terms

Net 30

Currency

CAD

FOB

16 ✓ M304S16GA

304/316 Sheet .063

9/04/09

Yes

✓ 96
92.00
sf

Yours ppd

\$5.0000

\$460.00

Special Inst: AS ABOVE

17 ✓ M304S20GA

304/316 .040 Sheet

9/04/09

Yes

✓ 192.00
sf

\$3.9062

\$749.99

Special Inst: AS ABOVE

PO Total:

\$5,356.49

MATERIAL CERTIFICATION
REQ'D UPON DELIVERY

WCL

No substitution or deviation without
consent.
Certificate of Conformity or Material
Certification required when applicable

Change Nbr: 1

Change Date: 9/01/09



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO10312

Purchase Order Date 9/01/09

PO Print Date 9/01/09

Page Number 2 of 4

Order From :

VC-MAG002

MAGNA STAINLESS
5775 RUE KIERAN
ST LAURENT, QC H4S 0A3
CA

Contact Name

Vendor Phone

800 363 6646

Vendor Fax

514 339 1105

Vendor Account Nbr

Buyer

Chantal Lavoie

Requisition Nbr

Tax Resale Nbr

10127-2607

Terms

Net 30

Currency

CAD

FOB

Special Inst: AS ABOVE

5 ✓ M6061T6B1.000X02.000 6061-T6 Bar 1.00 x 2.00 9/04/09 60.00 Yours ppd \$4.7500 \$285.00
Yes f 10/9/12

Special Inst: AS ABOVE

6 M6061T6B0.500X06.000 6061-T6 Bar .500 x 6.00 9/04/09 40.00 Yours ppd \$7.2500 \$290.00
Yes f 10/9/12

Special Inst: AS ABOVE

7 M6061T6B1.250X04.500 6061-T6 Bar 1.25 X 4.50 9/08/09 40.00 Yours ppd \$27.0000 \$1,080.00
Yes f

Special Inst: AS ABOVE

8 M6061T6R0.625 6061-T6 Round Bar .625" 9/04/09 40.00 Yours ppd \$0.8125 \$32.50
Yes f

Special Inst: MATERIAL: 6061-T6 OR 6061-T651/T6510/T6511/T62 ROUND BAR PER AM-QQ-A-225/8 OR AMS 4117/4128/4115/4116 OR 5 PER AMS-QQ-A-200/8 OR AMS 4160

9 ✓ M6061T6R0.375 6061-T6 Round Bar .375" 9/04/09 24.00 Yours ppd \$0.5000 \$12.00
Yes f New 40 10/9/12

Special Inst: AS ABOVE

MATERIAL CERTIFICATION

REQ'D UPON DELIVERY

No substitution or deviation without consent.
Certificate of Conformity or Material Certification required when applicable

Change Nbr: 1

Change Date: 9/01/09

Material Test Report

Customer Ship To:

Magna Stainless Inc.
5775 Kieran St.

St-Laurent

QB H4S 0A3

Our Order: 831165 - 2

Your PO # PO05960

Part # 05873-000-240

Die: LS05873

Description: .750 x 6.000

Alloy Temper 6061 T6

Print Date: 7/31/2009

Chemical Properties

Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	others each	others total	Al
0.40-0.8	0.7 max	0.15-40	0.15 max	0.8-1.2	0.04-0.35	0.25 max	0.15	0.05	0.15	remain

Mechanical Properties

Strength ksi

Test ID	Test Date	CastNum	Ultimate	Yield (2% Offset)	Elongation (2" gage length)
1426	7/27/09	09050391A	44.04	40.51	19.5

Applicable Specifications: ASTM B221-08 ASTM B308-02 ASTM B429 QQA200/8 QQA200/16

Can Art Aluminum Extrusion Inc. certifies that materials shipped under this order have been inspected and tested in accordance with Aluminum Association and agreed upon customer specifications. Can Art assumes no liability for additional costs which may be incurred during the customer's manufacture and sale of its products, and is subject only to the replacement of any materials not within agreed upon specifications provided written notification is received by Can Art within 30 days from the date of shipment.

Eric Hotte - Tensile Testing

Authorized


Evan Eng, Quality Assurance Mgr.

ANALYSIS CERTIFICATE

Empire Resources, Inc.

One Parker Plaza
Fort Lee, NJ 07024-2937
United States
Tel : (201) 944-2200
Fax : (201) 944-2226
tlehr@empireresources.com

69160

EMPIRE Letter Ref # : EWR48745

EWR48745
Monday, 2 February, 2009

Date : February 02, 2009
Sales Contract # : E134911
Alloy-Temper : 6061-T6511
Container # : EXTR20090115
Case # : EXC24015
Cast # : 20296
Die # : A10130
Specification : .750" X 1" X 20' FLAT BAR 6061, T6511
Purchase Order : 076797-DG
Customer Part # :

S
02/02/02

MADE IN THE USA

Chemical Composition (WT%)

	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Other Elements	
Min	0.40		0.15		0.8	0.04			Each Max	Total Max
Max	0.8	0.7	0.40	0.15	1.2	0.35	0.25	0.15	0.05	0.15
Actual	= 0.61	= 0.22	= 0.19	= 0.05	= 0.85	= 0.07	= 0.01	= 0.019	= 0	

* Aluminum = Remainder

Actual cast analysis is retained on file.

Tensile Properties

Test No.	Yield (ksi)	Tensile (ksi)	Elong. (%)
1	35.5	39.1	12.9

ASTM B221-06. AMS-QQ-A-200/8-97

Ross Toombs

Authorized Signature

Ross Toombs
General Manager

Material Test Report

Customer Ship To:

Magna Stainless Inc.
5775 Kieran St.

St-Laurent
QB H4S 0A3

Our Order: 361020 - 1
Your PO # PO04592
Part # 05740-000-240
Die: ES05740
Description: 1.000 x 2.000
Alloy Temper 6061 T6
Print Date: 5/11/2009

Chemical Properties

Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	others each	others total	Al
0.40-0.8	0.7 max	0.15-40	0.15 max	0.8-1.2	0.04-0.35	0.25 max	0.15	0.05	0.15	remain

Mechanical Properties

Strength ksi

Test ID	Test Date	CastNum	Ultimate	Yield (2% Offset)	Elongation (2" gage length)
116716	5/11/09	6673	51.20	44.80	12.3

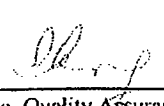
S
07/07/02

Applicable Specifications: ASTM B221-08 ASTM B308-02 ASTM B429 QQA200/8 QQA200/16

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Evan Eng - Tensile Testing

Authorized


Evan Eng, Quality Assurance Mgr.

Material Test Report

Customer Ship To:

Magna Stainless Inc.
5775 Kieran St.

St-Laurent

QB H4S 0A3

Our Order: 830373 - 3

Your PO # PO04987

Part # 05851-000-240

Die: LS05851

Description: .500 x 6.000

Alloy Temper 6061 T6

Print Date: 6/8/2009

Chemical Properties

Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	others each	others total	Al
0.40-0.8	0.7 max	0.15-40	0.15 max	0.8-1.2	0.04-0.35	0.25 max	0.15	0.05	0.15	remain

Mechanical Properties

Strength ksi

Test ID	Test Date	CastNum	Ultimate	Yield (2% Offset)	Elongation (2" gage length)
649	6/2/09	09050391A	43.75	41.57	15.0

Applicable Specifications: ASTM B221-08 ASTM B308-02 ASTM B429 QQA200/8 QQA200/16

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Eric Hotte - Tensile Testing

Authorized


Evan Eng, Quality Assurance Mgr.

POV4987-09050391A

507/09/02



325 rue Avro
Pointe-Claire, QC, Canada
H9R 5W3
Téléphone (514) 697-5120
Fac-simile (514) 694-8310

Test de dureté Rockwell Rockwell Hardness Test

Client / Customer : **MAGNA STAINLESS INC.**

Adresse / Address : **5775 RUE KIERAN
SAINT LAURENT, QUEBEC
H4S 0A3**

commande Indalex / Indalex order # : **9041418**

bon de commande / Purchase order # : **P004472**

de matrice / Die # : **MS 9903** Description : **3/8" ROD**

Alliage & trempage / Alloy & temper : **6061 T6** Customer Part # : **N/A**

Contrôle / Control # : **97301-2**

Coulée / Cast # : **45711**

Dureté Rockwell E / Min. requis / Max. permis /
Rockwell E hardness : **89 HRE** Min. required : **88 HRE** Max. permitted : **100 HRE**

Composition chimique typique / Typical chemical composition :

P004472

	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti
6063	0,20 - 0,60	0,35 Max	0,10 Max	0,10 Max	0,45 - 0,90	0,10 Max	0,10 Max	0,10 Max
6005	0,60 - 0,90	0,35 Max	0,10 Max	0,10 Max	0,40 - 0,60	0,10 Max	0,10 Max	0,10 Max
6005A	0,66 - 0,74	0,14 - 0,28	0,08 - 0,16	0,18 - 0,26	0,46 - 0,54	0,03 Max	0,05 Max	0,05 Max
6061	0,40 - 0,80	0,70 Max	0,15 - 0,40	0,15 Max	0,80 - 1,20	0,04 - 0,35	0,25 Max	0,15 Max
6351	0,7 - 1,3	0,5 Max	0,10 Max	0,40 - 0,80	0,40 - 0,80	---	0,20 Max	0,20 Max

Nous certifions que le matériel fourni rencontre les exigences chimiques telles qu'annoncées par la norme ASTM B-221 excepté pour la section 8.2 (nombre de spécimen) et AMS QQA 200/8 excepté pour la section 4.2.3.1. (nombre de spécimen) qui sont déterminés par les exigences du client.

We hereby certify that the material supplied meets the chemical properties as published by the ASTM B-221 except for section 8.2 (number of specimen) and AMS QQA 200/8 except for section 4.2.3.1 (number of specimen) which is determined by customer requirement.

Sincèrement vôtre, date : **05/05/2009**
Yours truly,

Steve Desbois-Biard
Assistant qualité
Quality assistant

Indalex Limited

POU 4897 - 1786831

DOC : V/0080295390

DATE : 2008-12-09

PROD. REF. : 0000251919/003

NRST : 46158/03

PAGE : 1 / 2

INSPECTION CERTIFICATE

Aleris
Europe

Aleris Aluminum Duffel BVBA
A. Stedeban 87, 2570 Duffel - Belgium
Tel. 32 (0)15 30 21 11 - Fax (0)15 30 27 94

CUSTOMER : ALERIS ROLLED PRODUCTS

1700 EASTPOINT PARKWAY, SUITE 200
LOUISVILLE, KY 40223 USA

YOUR ORDER NUMBER : 459295-IMP (YARDE PO#P80922DK001)
OUR ORDER NUMBER : 46158/03
DOCUMENT NUMBER : V/0080295390

DESCRIPTION : ALU SHEET (STENC) AA 6061-T6 AMS-QQA-250/11 AMS 4027M ASTM B209-07
DIMENSIONS : 96" X 48" X .05"
ARTICLE NO.:

ORIGIN OF GOODS : EUROPEAN UNION (BELGIUM)

COIL NUMBER	CAST NUMBER	CHEMICAL COMPOSITION (%)							
		SI	FE	CU	MN	MG	CR	TI	ZN
		MIN 0,40		0,15		0,8	0,04		
		MAX 0,8	0,7	0,40	0,15	1,2	0,35	0,15	0,25
001	1786831	0,67	0,4	0,27	0,09	1,0	0,14	0,05	0,01
OTHERS : EACH					MIN	0,05 MAX			
TOTAL					MIN	0,15 MAX			

S960602

TEST- NUMBER		MECHANICAL PROPERTIES				
		(T) = TRANSVERSAL		(L) = LONGITUDINAL		
		1 N/MM2 = 1 MPA = 0,1 HBAR		0,102 KG/MM2 = 0,145 KSI		
		/A = REAR END	/M = MIDDLE	/V = FRONT END	/O = RANDOM SAMPLING	
		RM (T) KSI	RP (T) KSI	A2" (T) %	BEND (T) N	
	MIN					
	MAX					
001	/A	50	42	14	OK	
001	/M	50	42	15	OK	
001	/V	50	42	16	OK	

Aleris Aluminum Duffel BVBA

S90510G009-1 MAGNA STRUTLESS PO: F004897 Part #:
161.00PC 3636.00LB

INC 05-14-09

DOC : V/0080295390

DATE : 2008-12-09

PROD. REF. : 0000251919/003

NRBST : 46158/03

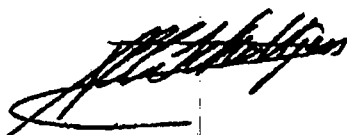
PAGE : 2/ 2

Aleris
Europe

Aleris Aluminum Duffel BVBA
A. Stedeman 87, 2570 Duffel - Belgium
Tel. 32 (0)15 30 21 11 - Fax (0)15 30 27 94

DATE SOLUTION HEAT TREATMENT COIL NUMBER
001 STENCILLING : WEEK 45 / YEAR 2008

HEAD OF LABORATORY,
XAVIER SCHELTJENS



Aleris Aluminum Duffel BVBA





Abnahmeprüfzeugnis 3.1 (EN 10204)
Inspection certificate – mill certificate

Zertifiziert nach / certified to ISO 9001, ISO/TS 16949, ENAS 9100, ISO 14001, NADCAP

Nr.: 85368130 01/3

Rev. 0

Seite / page: 1 von / of 2

Datum / date: 2009 06 24

Auftraggeber / customer: A.S.A. Alloys Div. of Canadian Specialty Metals ULC 81 Steinway Blvd CDN-M9W 6H6 ETOBICOKE	Bestell Nr. / order no.: 079744-DRB Datum / date: 2009 04 29
Warenempfänger / consignee: A.S.A. Alloys Div. of Canadian Specialty Metals ULC 81 Steinway Blvd CDN-M9W 6H6 ETOBICOKE	Auftragsbest. Nr. / order confirm. no.: 597957 Datum / date: 2009 04 30
Endkunde, Bestell-Nr. / Your cust., ord. no.:	Lieferschein Nr. / delivery note: 85368130 Datum / date: 2009 06 24
	Akkreditiv Nr. / letter of credit no.:

Produkt/product Form / form: Sheet Werkstoff / material: 6061 Zustand / temper: T6 Dim. / dim: [Inch]: 0,125x48,00x96,00 Kundenartikel-Nr / customer article no.: S 02109142	Bedingungen/terms Techn. Lieferbedingungen / techn. spec.: AMS-QQ-A-250/11, 08.1997 ASTM B 209 - 07 Material meets also AMS 4027N, 07.2008, but not marked ANSI H35.2-2006 ASME SB 209, 2007 Sondervorschrift / special terms:
---	--

AB-Pos. ord.-item.	BNr/Los/Teillos Lot/No./Part	Guss Nr. cast no.	Werkstoff material	Kollo. packno.	Gewicht netto weight net	Stk. pcs.
02	32928/01/01	01/0034540/9	6061.1	5979570001	3247,354 lbs	59
02	32928/01/01	01/0034540/9	6061.1	5979570002	3253,968 lbs	59
02	32928/01/01	01/0034540/9	6061.1	5979570003	3253,968 lbs	59

Chemische Zusammensetzung / chemical composition: [%] Gewichtsanteile / weight proportion										
Guss Nr. / cast no.	AMAG designation	Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Ti
01/0034540/9	6061.1 actual	0,62	0,49	0,21	0,08	0,88	0,16	0,01	0,12	0,06

Zugversuch / Tensile test									
BNr/Los Lot/No.	Zustand temper	Richtung direction			Rm [ksi]	Rp0.2 [ksi]	A2 [%]		
32928/01	T6	LT			47,0	39,6	15		
32928/01	T6	LT			47,1	39,7	16		
32928/01	T6	LT			47,3	39,7	16		
32928/01	T6	LT			47,0	39,7	16		
32928/01	T6	LT			47,1	39,9	16		
32928/01	T6	LT			47,4	39,9	16		
32928/01	T6	LT			47,0	39,7	15		
32928/01	T6	LT			47,0	39,6	16		
32928/01	T6	LT			47,0	39,6	16		
32928/01	T6	LT			47,0	39,7	16		



Abnahmeprüfzeugnis 3.1 (EN 10204)
Inspection certificate – mill certificate

Zertifiziert nach / certified to ISO 9001, ISO/TS 16949, EN/AS 9100, ISO 14001, NADCAP

Nr.: 85368130 01 / 3

Rev. 0

Seite / page: 2 von / of 2

Datum / date: 2009 06 24

Es wird bestätigt, dass die Lieferung geprüft wurde und den Vereinbarungen bei der Bestellung entspricht.
We hereby certify that the material described above has been tested and complies with the terms of the order contract.

Werkssachverständiger / factory specialist	E-Mail / e-mail
Josef Klampfer	j.klampfer@amag.at

Herstellerland: Österreich / goods origin: The goods are of Austrian origin.
Maschinell erstellt - Gültig ohne Unterschrift / Automated - valid without being signed.

Material Test Report

Customer Ship To:

Magna Stainless Inc.
5775 Kieran St.

St-Laurent

QB H4S 0A3

Our Order: 358596 - 1

Your PO # PO02229

Part # 05504-000-240

Die: ES05504

Description: .750 x .750

Alloy Temper 6061 T6

Print Date: 12/17/2008

Chemical Properties

Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	others each	others total	Al
0.40-0.8	0.7 max	0.15-.40	0.15 max	0.8-1.2	0.04-0.35	0.25 max	0.15	0.05	0.15	remain

Mechanical Properties

Strength ksi

Test ID	Test Date	CastNum	Ultimate	Yield (2% Offset)	Elongation (2" gage length)
115203	12/17/08	5716	46.50	40.92	13.8

Sorbedo2

Applicable Specifications: ASTM B221-06 ASTM B308-02 ASTM B429 QQA200/8 QQA200/16

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Doug Barnes - Tensile Testing

Authorized


Evan Eng, Quality Assurance Mgr.

Acciaierie Valbruna S.p.A.



36100 VICENZA (Italia) - Viale della scienza, 25 z.i.
Stab.: 39100 BOLZANO (Italia) - Via A. Volta, 4

Cliente / Besteller/Purchaser/Cliant
VALBRUNA CANADA LTD
8724 HOLGATE CRESCENT
L5T 5Z1-MILTON, ONT L5T 5Z1-CAN

Produttore: ACCIAIERIE VALBRUNA S.P.A.
Hersteller/Item/Usine producer

Avviso di Spedizione: D-VI09010751
Lieferanreigef/Packing list/V.L.

Ordine nr: 904002237 Stock - Canada
Besch./Your order/Commande

CERTIFICATO DI COLLAUDO ABNAHMEPRUEFZEUGNIS INSPECTION CERTIFICATE CERTIFICAT DE RECEPTION EN 10204 (2005) , 3.1

Certificato nr: MEST746116/2009/
Prüfung/Tos/Essai

Conferma ordine nr: EI09002088
Works/Order/Ref. nr.

Marchio di Fabbrica:
Zeichen des Lieferwerkes
Trade mark
Sigle de l'usine productrice



Punzone del Collaudatore:
Stempel des Werkssachverständigen
Inspector's stamp/Pointon de l'astayer

Oggetto Prove: - Annealed-Cold Drawn
Prüfgegenstand/Item Inspected/Finissage

Tipo di Elaborazione: E+AOD
Erneuerungsart/Meining process/Mode d'elaboration

Specifiche:
Anforderungen / Requirements / Exigences

VSI 0 303 HS A,CF
ASME SA320 2007 B8F 0
ASTM A370 2009
QQ-S-764 B/2 303 A
(0) SEC.II PT.A 2007 EDITION ADD. 2008a
(1) Chemical analysis only.

AMS 5640 U S30300 A
ASTM A314 2008 S30300
ASTM A582 2005 S30300 A

AMS 5640 U TYPE1 A
ASTM A320 2008 B8F (1)
MIL-S-862 B/1 303

07.09.02
Chemical analysis only.

Qualität: T-303
Werkstoff/Grade/Qualite

Marca: MV188ZHS MAXIVAL
Markenbezeichnung/Brand/Nuance

Punzonatura: 303
Kennzeichnung/Marking/Marque

Pos. nr. Pos. nr. Item nr. Nr. de poste	Oggetto Gegegenstand Product description Descrip. du produit	Dimensioni - In Abmessungen Dimension Dimension	Tolleranza Tolérnz. Allowance Tolérance	Lunghezza - In Länge Length Longueur	Colata Schmelze Heat Coulée	Pozzi Stückzahl Pieces Pièces	Peso - LB Gewicht Weight Poids	Lotto nr. Losn. Lot nr. Lot nr.
0010	Round	0,5000	484-06B	145 / 145	422802		2,571	818603790

Sono state soddisfatte tutte le condizioni richieste
Die gestellten Anforderungen sind i. Anlage erfüllt
The material has been furnished in accordance with the requirements
Le matériel a été fourni conforme aux exigences

Controllo antimiscelanza: OK
Vermischungsprüfung: spektroskopisch durchgeführt
Antimixing testing performed: OK
Contrôle antimélange fait: r.a.s.

Controllo visivo e dimensionale: soddisfatta le esigenze:
Besichtigung und Ausmessung: ohne Beanstandung
Visual inspection and dimensional checks: satisfactory
Contrôle visuel et dimensionnel: satisfaisant

TEST	Prove/Tests Bewährungsproben Long. diam. Force: Stech. Diam. Bolla Weld Diam. Thickness Lap diam. caps mm	°F	Prove Saggio Prove Essai	Snervamento Bruchgrenze Yield Stress Limite élastique Rp 0,2% k.s.i.	Snervamento Bruchgrenze Yield Stress Limite élastique	Resistenza Zugfestigkeit Tensile strength Resistance à traction Rm k.s.i.	Allungamento Bruchdehnung Elongation Allongement	Strizione Einziehdehnung Reduction of area Striction RA %	Resilienza Kerndrillprüfung Impact Value Resilience	Durezza Härte Hardness Dureté HB
Valori richiesti 1 Anforderungen/Required values Valeurs demandées		min max								140 255
A	12,5	68	L	85		110	37	52		253

Mechanical properties according to ASTM A370.
Grain size for ASTM E112 : 5

1) L = longitudinal; T = transverse; Q = Transverse longitudinal

Analisi chimica

Chemische Zusammensetzung/Chemical Analysis/Analyse chimique

Colata / Heat Schmelze/Coarse	min 0,030 max 0,050	0,20 1,00	1,50 2,00	17,00 18,00	0,80 1,00	1,00 10,00	8,00 10,00	0,100 0,40	0,32 0,40	0,4000					
	C %	Si %	Mn %	Cr %	Mo %	Cu %	Ni %	Co %	P %	S %	Zr %				
422802	0,042	0,44	1,81	17,42	0,41	0,63	8,20	0,09	0,027	0,34	0,0044				

Produced without class I-II Ozone depleting substances.

Solution heat treated free from continuous carbide network.

Annealing temperature: 1940°F for 0.5 h/water.

Micro and macro etch test: OK

Material is DFARS Compliant

Melted and manufactured in Italy No welding or weld repair Material free from Mercury contamination

We declare that the finished product is checked for radioactive contamination through Portal System when it leaves the production plant.

The Quality Management System is Certified acc. Pressure Equipment Directive [97/23/EC] Annex 1, s.4.3 by TÜV and LLOYD'S

Vicenza, 07/05/09

VCO008
(Mod. MCER)

Il collaudatore di stabilimento / der Werkssachverständige / Works inspector / L'agent d'usine

M. Rizzotto

Pagina - 1 di 1

VIRAJ PROFILES LIMITED

10 IMPERIAL CHAMBERS, FIRST FLOOR,
WILSON ROAD BALLARD ESTATE
MUMBAI 400 038 INDIA

INSPECTION CERTIFICATE**CUSTOMER :**

MAGNA STAINLESS INC (DIV OF CANADIAN
SPECIALTY METALS INC.)
5775 RUE KIERAN ST. LAURENT
QUEBEC H4S 0A3

ORDER NO.
P003627

PACKING LIST NO.
IMP/102069

INSPECTION NO.
IMP/102069/2

DATE
19/05/2009

BUNDLE NO.

2050160, 2050161, 2050164, 2050165

GRADE
T-303

DESCRIPTION :

STAINLESS STEEL ROUND BARS L/C NO.: 1700448 DT.: 16/06/2009

COLD DRAWN GROUND & POLISHED

SIZE (INC)	SHAPE	TOLERANCE	LENGTH (FT)	PIECES	WEIGHT (LBS)
3/4	ROUND	ASTM A484	12 R/L	227	4256

CHEMICAL ANALYSIS

HEAT NO. 17578

C	Mn	Si	S	P	Ni	Cr	Mo	Cu	N	Co
0.053	1.92	0.41	0.301	0.038	8.07	17.28	0.29	0.48	0.042	0.11

TEST RESULT

0.2% YIELD STRENGTH KSI	TENSILE STRENGTH KSI	ELONGATION %	REDUCTION OF AREA %	HARDNESS BHN	GRAIN SIZE
90	109	42	80	217	7

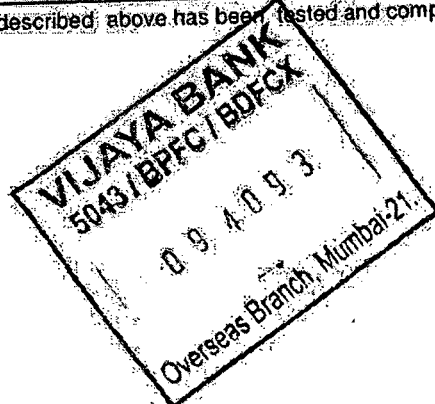
Specification :

MATERIAL CONFIRMS TO ASTM A581-85B COND A, ASTM A 582-05 COND A, AMS 5640R TYPE I, EXCEPT MARKING, QGS-764B COND A, EXCEPT MARKING, UNS-S-30300, CERTIFIED AS PER EN 10204 3.1

Remarks :

MATERIAL IS FREE FROM MERCURY CONTAMINATION, FREE FROM WELD O MELT SOURCE ADD, MACRO: GOOD, MICRO: GOOD, MINIMUM SOLUTION ANNEALING TEMPERATURE 1050C, SOAKING TIME 1H/INCH, WATER QUENCHED, COUNTRY OF ORIGIN INDIA. WE CONFIRM THAT THE MATERIAL HAS BEEN TESTED AND FOUND TO BE FREE FROM RADIOACTIVE CONTAMINATION.

We hereby certify that the material described above has been tested and complies with the terms of order/contract.



WORKS INSPECTOR

MILL TEST REPORT

TA CHEN INTERNATIONAL CORPORATION

www.tachen.com

This MTR contains 1 page (Page: 1)

MTR#: TICL2121 Customer#: MAGDOR PO#: P006327 SO#: PE6925
 Item#: 16GA48963042B Bundle#: KA80261180E10H5 Heat#: A2800233



INSPECTION CERTIFICATE

TICL2121

Shanxi Taigang Stainless Steel CO., LTD Member
 of Taiyuan Iron and Steel (Group) Co., LTD

NO.2 jiancaoping, Taiyuan, Shanxi, P.R. China

TEL: (0351)3013328 FAX: (0351)3017816

http://www.tisco.com.cn

E-mail: tgbxg@tisco.com.cn

MILL TEST CERTIFICATE

CERTIFICATE NO. T08-692B

MATERIAL AISI304 NO. 2B FINISH

SPECIFICATION ASTM A240-04/A480-04, ASME SA240/A480
ASTM A666, AMS 5513/5511

L/C No.

CUSTOMER

CONTRACT NO.

DATE OF ISSUE

Ta Chen International, Inc.

L22628

20080401
 01/01/08

Product

Melting furnace

Inspectors stamp

Mark of the Manufacturer

SHEET

E+VOD



Shanxi Taiyuan Stainless Steel Co., Ltd

NO.	Heat No.	Coil No.	Batch No.	Quantity	Dimensions (inch)	Weight(Pound)
43	C3706216	KA71272980F00H3	78253308	1	16GA x 48" x 120	4535
44	C3706216	KA71272980F00H2	78253309	1	16GA x 48" x 120	4546
45	A2800233	KA80261180E10H5	78255632	1	16GA x 48" x 96	4270
46	A2800233	KA80261180E20H1	78255634	1	16GA x 48" x 96	4259
47	A2800233	KA80261180E20H2	78255636	1	16GA x 48" x 96	3874
48	A2800233	KA80261180E20H3	78255638	1	16GA x 48" x 96	4348
49	A2800233	KA80261180E20H4	78255640	1	16GA x 48" x 96	3896

Chemical Composition

Heat No.	C	Si	Mn	P	S	Cr	Ni	Cu	Al	N	Mo	Ti
C3706216	0.055	0.560	1.090	0.028	0.001	18.190	8.160	0.160		0.066	0.090	
C3706216	0.055	0.560	1.090	0.028	0.001	18.190	8.160	0.160		0.066	0.090	
A2800233	0.042	0.491	1.143	0.026	0.002	18.337	8.012	0.119		0.080	0.093	
A2800233	0.042	0.491	1.143	0.026	0.002	18.337	8.012	0.119		0.080	0.093	
A2800233	0.042	0.491	1.143	0.026	0.002	18.337	8.012	0.119		0.080	0.093	
A2800233	0.042	0.491	1.143	0.026	0.002	18.337	8.012	0.119		0.080	0.093	
A2800233	0.042	0.491	1.143	0.026	0.002	18.337	8.012	0.119		0.080	0.093	

Mechanical Properties (Test temperature :20°C)

Test No.	Tensile Rm N/mm ²	R _{p0.2} Yield _{0.2%} N/mm ²	R _{p1.0} Yield _{1.0%} N/mm ²	Elongation		Corrosion Tests	Hardness		
				A5 (%)	A50(%)		HRB	HV	HRC
78253308-T	660	305			54		91.5-90.5		
78253309-T	660	305			54		91.5-90.5		
78255632-T	645	299			51		87.5-88.0		
78255634-T	645	299			51		87.5-88.0		
78255636-T	645	299			51		87.5-88.0		
78255638-T	645	299			51		87.5-88.0		
78255640-T	645	299			51		87.5-88.0		

SPECTROMETER SORTING TEST: OK

EN 10204-3. 1B

Mercury Free

Place: Taiyuan

Work Inspector: 李忠新



Page: 7 of 19

P006327 - A2800233

MO 18855

POSCO Mill Test Certificate/검사증명서

Certificate No./증명서번호: 081027-PRSE-018-001
 Date of Issue/발행일자: Oct. 30, 2008
 Surface Finish/표면마무리: NO.2B

Order No./계약번호: 0003445692

PO No./주문번호: 3445692

Supplier/주문자: DAE WOO INTERNATIONAL CORP.

Commodity/품명: STAINLESS COLD ROLLED COIL

Customer/고객사: MAGNA STAINLESS INC.

Spec & Type/규격: ASTM-A240-304

Spec & Type/규격:ASTM-A240-304																						
Size/치수	Product No. 제품번호	Quantity 수량	Weight 중량 (kg)	Heat No. 재강번호	POSITION	Tensile/인장시험			Hardness /경도 HRB		DIVISION	Chemical Composition/화학성분(%)										
						YS 0.2% (MPa)	TS (%)	EL (%)				C -4	Si -3	Mn -3	P -4	S -4	Cr -2	Ni -2	Cu -3	Mo -2	N -4	
0.90x1524xC	QBK0069A	1	4,995	SC19177	T	262	648	59	82.6	S 01/01/02	L	562	420	1050	280	33	1815	804	320	11	403	
0.90x1524xC	QBK0069B	1	4,995	SC19177	B	259	654	61	81.3		L	562	420	1050	280	33	1815	804	320	11	403	
*** Sub Total (010) ***			2			9,990 (kg)																
0.90x1219xC	QGJ0258BA	1	5,960	SC18740	T	273	640	58	85.3		L	505	360	1050	280	31	1835	817	370	13	442	
0.90x1219xC	QGJ0258BB	1	5,960	SC18740	B	281	648	54	86.6		L	505	360	1050	280	31	1835	817	370	13	442	
0.90x1219xC	QGH0799C	1	4,896	SE37926	T	268	643	60	82.0		L	639	352	1065	283	55	1816	804	442	23	381	
*** Sub Total (020) ***			3			15,816 (kg)																
1.50x1524xC	QBK0171A	1	6,341	SC19146	T	273	637	57	83.1		L	587	410	1130	310	31	1819	803	350	10	348	
1.50x1524xC	QBK0171C	1	6,810	SC19146	B	273	637	57	83.1		L	587	410	1130	310	31	1819	803	350	10	348	
*** Sub Total (030) ***			2			13,151 (kg)																
1.50x1219xC	QEJ1008A	1	5,952	SC19200	T	281	636	56	83.8		L	558	410	1040	320	38	1811	806	330	11	372	
					B	285	644	55	85.2													

* Position - T : Top, M : Middle, B : Bottom

* Tensile Test. Direction : Transversal. Gauge Length : 50mm (Rectangular).

YP Method : 0.2% off-set

* Division - L: Ladle Analysis

* Chemical Composition Unit: -2x1/100, -3x1/1000, -4x1/10000, -5x1/100000

* Tr : It is within the standard range(<0.008%) and include trace element.

We hereby certify that the material herein has been made in accordance with the order and specification.

ORIGINAL

Test Certificate is issued according to EN10204 3.1B.

* This Mill Test Certificate cannot be copied for any purpose.

Surveyor To:

POSCO Pohang Works, 5 Dongchon-dong, Nam-gu, Pohang-si, Gyeongsangbuk-do, 790-785, Korea

Chief of material testing section Jo, Won Gook

Chantal Lavoie

From: Eryck Blais [eblais@magnastainless.com]
Sent: August 27, 2009 11:36 AM
To: 'Chantal Lavoie'
Subject: RE: quote

HI CHANTAL

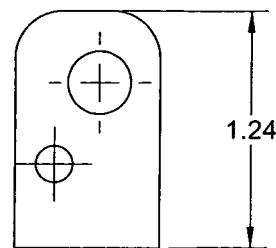
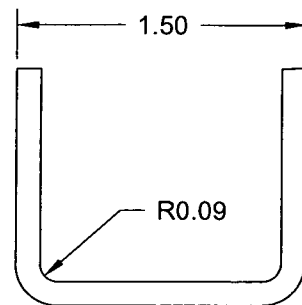
THANK YOU
 ERYCK

From: Chantal Lavoie [mailto:clavoie@dartaero.com]
Sent: Thursday, August 27, 2009 9:48 AM
To: Eryck Blais
Subject: quote

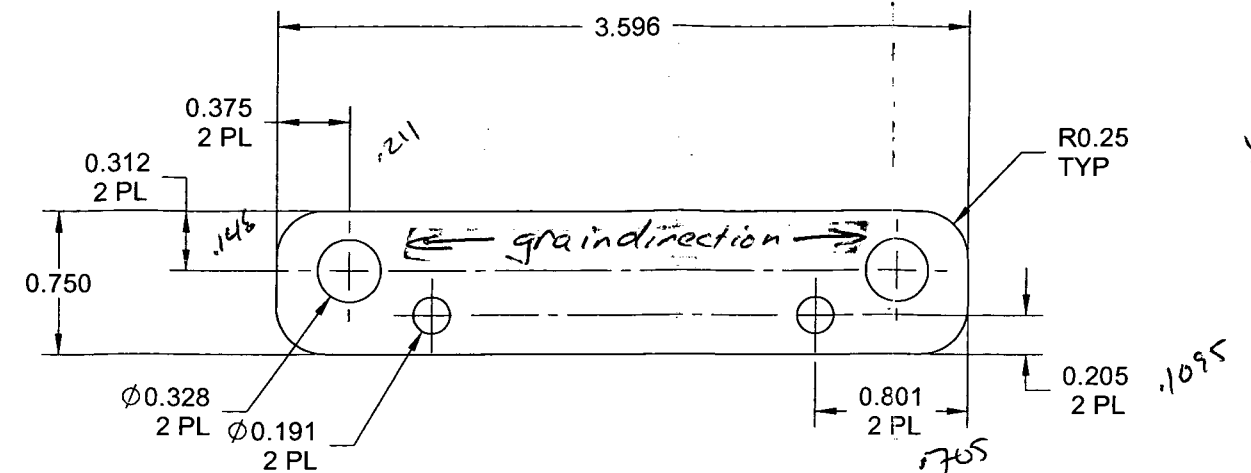
Please advise price & delivery on material.

~~6061-t6-bar-750"x6"x60-ft-3-PCS-X-215.00-EACH-STK~~ ✓
~~6061-t6-round-bar-625"x40-ft-2-PCS-X-16.25-EACH-STK~~
~~6061-t6-round-bar-375"x24-ft-2-PCS-X-6.00-EACH-STK~~
~~6061-t6-bar-750"x1"x24-ft-2-PCS-X-36.00-EACH-STK~~
~~6061-t6-bar-187"x4"x40-ft-2-PCS-X-35.00-EACH-STK~~
~~6061-t6-bar-750"x750"x40-ft-2-PCS-X-27.00-EACH-STK~~
~~6061-t6-sheet-050"x128-sf-4-PCS-X-92.00-EACH-STK~~
~~6061-t6-round-tubing-1"x-040-wall-x-24-ft-NO-STK~~
~~6061-t6-sheet-425"x64-sf-2-PCS-X-202.00-EACH-STK~~
~~6061-t6-bar-1"x2"x60-ft-3-PCS-X-95.00-EACH-STK~~
~~6061-t6-bar-500"x6"x40-ft-2-PCS-X-145.00-EACH-STK~~
~~6061-t6-bar-1.250"x4.5"x40-ft-4-PCS-X-270.00-EACH-1-WEEK~~
~~6061-t6-bar-1.250"x4.5"x20-ft-2-PCS-X-270.00-EACH-1-WEEK~~
~~303-round-bar-500"x60-ft-5-PCS-X-18.00-EACH-STK~~
~~303-round-bar-750"x80-ft-7-PCS-X-22.00-EACH-STK~~
~~304-sheet-16ga-x-92-sf-3-PCS-X-160.00-EACH-STK~~
 304 sheet 20ga x 192 sf 6 PCS X 125.00 EACH STK
~~304-sheet-12ga-x-64-sf-2-PCS-X-295.00-EACH-1-PC-STK-1-PC-FOR~~
~~304-bar-750"x2.5"x40-ft-4-PCS-X-300.00-EACH-STK~~

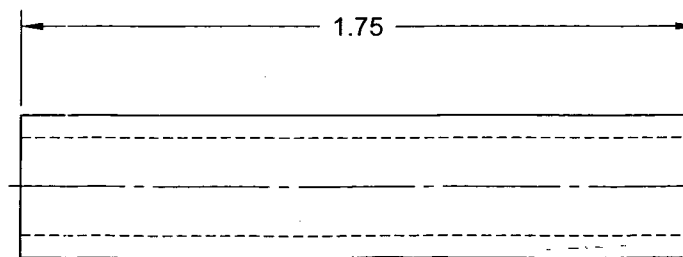
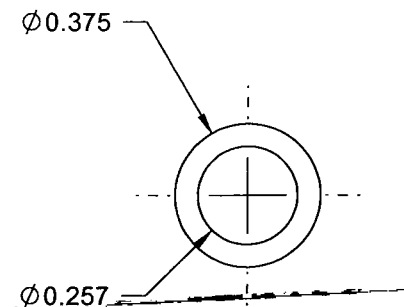
Thanks
 Chantal



D4019-9 MOUNTING BRACKET
(MAKE FROM D4019-9F)



D4019-9F MOUNTING BRACKET



D4019-11 SPACER BUSHING

**PRELIMINARY
ISSUE**
1509.12.07

NOT

1) MATERIAL -9: 6061-T6/T62 ALUMINUM SHEET, 0.125 THK
PER QQ-A-250/11 OR AMS-QQ-A-250/11 OR
AMS 4025 OR AMS 4027 OR
ASTM B209
PER DART SPEC M6061T6S.125

-11: 6061-T6/T651/T6510/T6511/T62 ALUMINUM, ROUND BAR OR BAR
PER QQ-A-225/8 OR AMS-QQ-A-225/8 (OR AMS 4117/4128/4115/4116) OR
QQ-A-200/8 OT AMS QQ-A-200/8 (OR AMS 4160) OR
ASTM B211 OR ASTM B221
PER DART SPACE M6061T6R, OR M6061T6B

DESIGN	AJS	DART AEROSPACE LTD	
DRAWN	AJS	HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. A
MFG. APPR.		D4019	SHEET 4 OF 4
APPROVED		TITLE	SCALE
DE APPR.		LIGHT LID ASSY, SHORT BASKET	NTS
DATE	09.12.07	<small>COPYRIGHT © 2009 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small>	